

CLAIMS

1-7. (canceled)

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8. (presently amended) A micro aerial vehicle comprising:

several blades in airfoil shape that are ~~placed~~places in calculated angle and space;

10

hubs that connect the ~~blade~~blades ~~to~~ with a body of a vehicle;

a rotor which gives lifting force with its spin;

15

a spin-able axle ~~which is having a~~ vertical hem, ~~the vertical hem being~~ is bound to the hubs;

a rotor drive ~~that is needed~~disposed to spin the rotor;

a vehicle body that is placed right under the rotor in order to fly from ~~the lifting force~~ that is obtained by revolutions of the rotor; and

20

fixed-wings that are placed in certain angle and space around the outside of the vehicle body in order to reduce a reaction torque, which affects the body to turn ~~the opposite direction of the rotor in a direction opposite to a rotation direction of the rotor,~~ from the rotor's movement;

25

further comprising: a counterbalancing-reaction-torque-system on the fixed-wings that cancels the reaction torque given to the body by air flow, caused by a rotor's movement, coming down through the blades;

30

wherein the above fixed-wings are designed to be bent in order to control angle and surfaces where the above air flow is contacted.

9-10. (canceled)

11. (presently amended) A micro aerial vehicle comprising:

several blades in airfoil shape that are ~~placed~~places in calculated angle and space;

hubs that connect the blades ~~to with~~ a body of ~~the~~ vehicle;

a rotor which gives lifting force with its spin;

a spin-able axle ~~having a vertical hem, said which its~~ vertical hem is bound to the hubs;

a rotor drive ~~that is needed~~disposed to spin the rotor;

a vehicle body that is placed right under the rotor in order to fly from the lifting force that is obtained by revolutions of the rotor;

fixed-wings that are placed in certain angle and space around the outside of the vehicle body towards the direction of the drive axle in order to reduce a reaction torque, which affects the body to turn ~~the opposite direction of the rotor in a direction opposite to a rotation direction of the rotor~~, from the rotor's movement;

above fixed-wings placed around the body are tilted in certain angle and bent to form a counterbalancing-reaction-torque-system which maximizes a force they get from the air flow, caused by the rotor's movement, through the above blades,

further characterized in that this force is used to cancel the reaction torque from the spinning rotor.

12. (presently amended) The micro aerial vehicle of claim 11, wherein ~~above~~the fixed-wings are designed to be bent in order to control angle and spaces where the air flow, which caused by the rotor's movement, ~~coming comes~~ down through the blades.

13. (previously presented) The micro aerial vehicle of claim 8, further comprising:

5 | a receiver which receives radio signals sent from ~~the~~ remote controller;

a control system which converts radio signals into electric signals, and operates the rotor drive according to these signals; and

10 | a power supply which supplies power to the above control system and the rotor drive.

14-16. (canceled)

17. (previously presented) The micro aerial vehicle of claim 11, further comprising:

15 | a receiver which receives radio signals sent from ~~the~~ remote controller;

a control system which converts radio signals into electric signals, and operates the rotor drive according to these signals; and

20 | a power supply which supplies power to the above control system and the rotor drive.

18. (previously presented) The micro aerial vehicle of claim 12, further comprising:

25 | a receiver which receives radio signals sent from ~~the~~ remote controller;

a control system which converts radio signals into electric signals, and operates the rotor drive according to these signals; and

30 | a power supply which supplies power to the above control system and the rotor drive.

19. (presently amended) The micro aerial vehicle of claim 8, further comprising:

a power supply located in the remote controller; and

an electrical line that connects the power supply and the rotor drive where the power is sent
through when power to operate the vehicle is ~~confirmed~~provided by the above power supply.

20-21. (canceled)

22. (presently amended) The micro aerial vehicle of claim 11, further comprising:

a power supply located in the remote controller; and

an electrical line that connects the power supply and the rotor drive where the power is sent
through when power to operate the vehicle is ~~confirmed~~provided by the above power supply.

23. (presently amended) The micro aerial vehicle of claim 12, further comprising:

a power supply located in the remote controller; and

an electrical line that connects the power supply and the rotor drive where the power is sent
through when power to operate the vehicle is ~~confirmed~~provided by the above power supply.